



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

**OFFICE OF PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES**

MEMORANDUM

DATE: September 20, 2007

SUBJECT: Likely to Adversely Affect Determination for Carbaryl Relative to the Barton Springs Salamander

FROM: Thomas Steeger, Ph.D., Senior Biologist /*original signed by T. Steeger, Ph.D., 9/20/07*/ Environmental Fate and Effects Division

TO: Arthur-Jean B. Williams, Acting Director
Environmental Fate and Effects Division

Attached is the assessment of potential effects to the Barton Springs salamander (*Eurycea sosorum*) from uses of the carbamate insecticide carbaryl. While the Endangered Species Act requires that we assess uses of pesticides relative to any potentially affected Federally-listed species, this assessment focuses only on the Barton Springs salamander, addressing provisions of two settlement agreements entered into by the federal government to resolve claims made by plaintiffs against EPA in two court cases (CBD v. EPA¹).

The attached assessment was conducted consistent with the Agency's Overview Document² and results in my determination that uses of carbaryl are likely to adversely affect (LAA) the Barton Springs salamander both directly and indirectly. As required by the Alternative Consultation Agreement EPA entered into with the US Fish and Wildlife Service and National Marine Fisheries Service (Services), the scientists preparing this assessment have been trained by the Services to make such determinations. Additionally, this assessment was subjected to internal Agency peer review throughout its development. Agency reviewers included another scientist who has been trained by the Services to make LAA determinations (Dr. Paige Doelling Brown).

Please let us know if you have any questions regarding this assessment and effects determination for carbaryl relative to the Barton Springs salamander.

cc: Steven Bradbury
Debbie Edwards

Attachments

¹Settlement agreement of August 22, 2005: Center for Biological Diversity v. Stephen L. Johnson, *et al.* No. 1:04-cv-00126-CKK.

²Overview of the Ecological Risk Assessment: Process in the Office of Pesticide Programs, U.S. Environmental Protection Agency: Endangered and Threatened Species Effects Determinations: January 23, 2004.